

High-Power Multiple Beam TWTs and the TWT-Based Amplifying Chains

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The results of development of a new class of multimode high-power vacuum devices, named multiple beam TWTs (MBTWTs), and based on their amplifying chains are presented. Technical and technological aspects of their fabrication are considered. The example of such TWT designed for 3-cm wave-length range, pulsed output power of 5 kW and amplifying chain based on it are shown.

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